3505415 Beogram CDX

"Beogram"

Bang & Olufsen

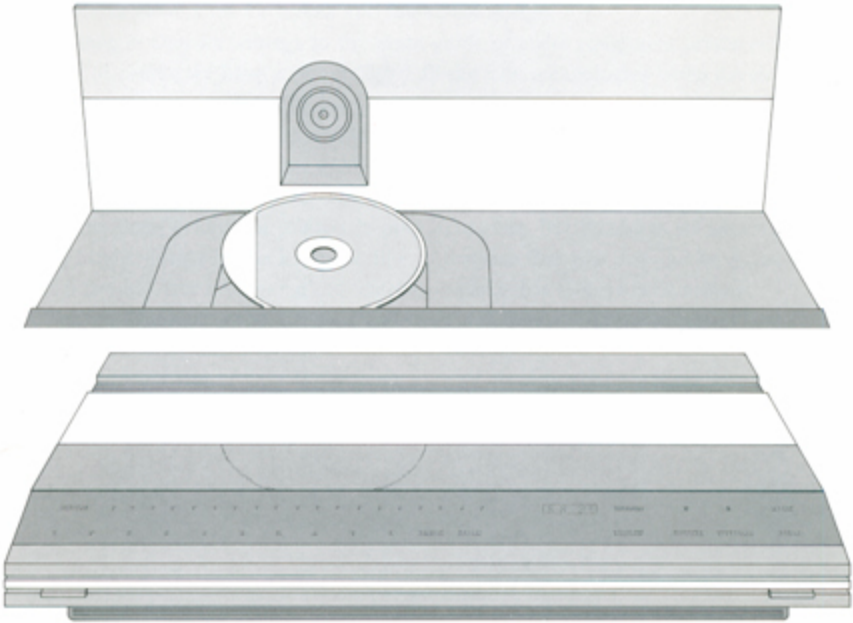
You have acquired one of the products in the Bang & Olufsen product line, which is famous for its stylish and functional design.

Bang & Olufsen belongs to the avant-garde of audio equipment producers. And of course we have also employed all the new technologies when developing your Beogram CDX. We have combined advanced electronics, ease of operation and beautiful design and have created a compact disc player that can do full justice to all the virtues of compact discs. This means that you can always trust your Beogram CDX to come up to your expectations.

Any Bang & Olufsen product is easy to operate. But thanks to its advanced electronic design it also has a number of features that you may not be aware of rightaway. They are among the features explained in this owner's manual. Take your time to read it through and you will have the greatest benefit from your new Beogram.

We advise you to keep the owner's manual close to your compact disc player – it may come in handy if you want to check a function.

We congratulate you on choosing a Beogram as your new compact disc player ...



Beogram CDX

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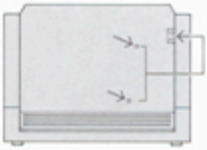
Setting up*



*Adjustment to room temperature
If the compact disc player is exposed to low temperatures, for instance during transport, and is then placed in a warm room, condensation can occur within the mechanism. If this happens, it will not play until the humidity falls to an acceptable level. Therefore allow the compact disc player to acclimatise to normal room temperature for at least an hour or two before use.

Removing transport screws

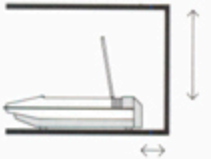
The Beogram CDX is provided with two transport screws to ensure safe transportation. These screws must be loosened before you can operate the Beogram. Turn the Beogram carefully upside down to gain access to the screws in the holes marked »TRANSPORT« and unscrew them. The two holes marked »PLAY« on the edge are for keeping the screws. If you ever have to transport the Beogram, we strongly recommend that you reinsert the transport screws in the holes marked »TRANSPORT«.

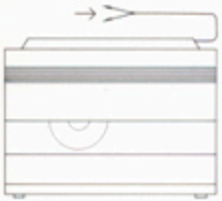
Plastic film protection

We have laid a thin plastic film on your Beogram to protect the sensi-touch panel against fingerprints and dust. Once you have installed your Beogram, we suggest that you remove this plastic film so that you can fully enjoy the elegance of the Beogram.

Placement

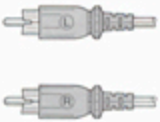
The Beogram CDX must be placed horizontally on a stable surface. Leave at least 20 cm of free space above the Beogram to allow the top lid to open freely. To ensure sufficient ventilation, the Beogram CDX must not be placed closer than 5 cm from any wall or panel of say a shelving system.

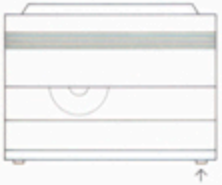




Connection to amplifier

The Beogram CDX is provided with phono plugs for connection to an amplifier (R for right channel and L for left channel). The Beogram can be connected to either the TAPE input or the AUX input on the amplifier.

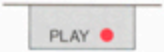




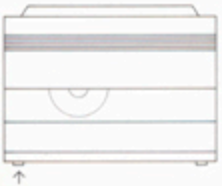
Switching on

After connecting the Beogram CDX to the mains, the mains switch PLAY ● must be pressed to switch on the Beogram. The red digit display now lights up and you can start operating your Beogram.

See Technical Specifications for details about power requirements.

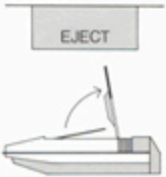


How to load the compact disc

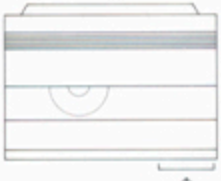


Press the button EJECT. The top lid opens automatically and a light switches on in the disc holder. You can now lay the compact disc on the slanting platform with the printed side up.

If the Beogram CDX is not switched on, pressing EJECT does not make the lid open automatically. However, it will be released and you can open it manually.



Start playing



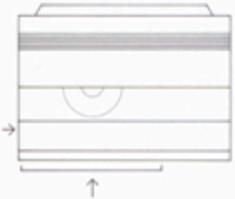
When the compact disc is placed correctly in its holder, you touch PLAY on the sensi-touch panel. The lid now closes automatically and the Beogram registers the tracks on the compact disc. Playing is begun at track 1 and you will hear the music immediately.

If a compact disc is already in the holder when switching on, playing is started immediately you press PLAY ●.

What do the displays mean?

The display is an indicator of all the information contained in a compact disc and registered by the Beogram CDX.

A total of 99 tracks can be registered by the Beogram CDX.

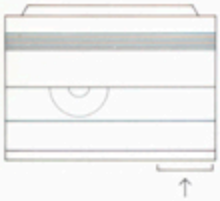


Green numbers

The green numbers to the left give you the total number of tracks on a compact disc and also which track is being played, indicated by the number blinking. If you programme the Beogram to play specific tracks (see the section »Programming tracks«), only the track numbers to be played will light up.

If the Beogram CDX is operating at tracks above 20, the track numbers cannot be read off on the green display.

1 2 3 4 5 6 7 8 9 . . . .



Red numbers

The red 4-digit display shows individual track times, i.e. how long one particular track has been playing. Thus, 3.15 means that a track has been playing for three minutes and 15 seconds.

If you touch DISPLAY, the display will show the elapsed time, i.e. how much of the total playing time of a compact disc has elapsed.

Touching DISPLAY again makes the display show the track and index number, if any, of the track being played. Like conventional records, compact discs consist of tracks. On some discs, typically those with classical music, the tracks are subdivided into index numbers. Thus, 4. 1 means that track 4, index 1, is being played. The red display is able to show all the track numbers up to 99, which is the max. number the Beogram can register.

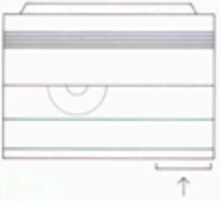
Touch DISPLAY again to revert to individual track time.

»?«

A »?« on the red digit display is an indication that the Beogram cannot carry out your order. It will appear

- if you start playing when there is no disc in the holder, or
- if the disc has been loaded upside down, or
- if you have selected or programmed a track that is not on the disc (see later sections).

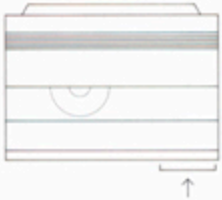
Finding other tracks



Next track

If you want to listen to a track further ahead, you just touch ADVANCE. Then the next track on the compact disc will be played. You can jump through the tracks by touching ADVANCE repeatedly until you reach the track you want.

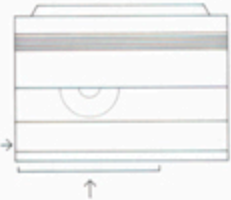
Previous track



If you want to listen to a track previous to the one you are playing, you touch RETURN twice. At the first touch playing is resumed from the start of the track being played. By touching RETURN rapidly again you can jump backwards through the preceding tracks until you reach the track you want.

RETURN

Start playing a specific track



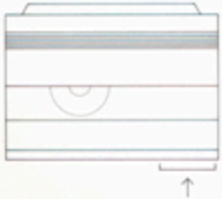
If you want to listen to a specific track on the compact disc, you just touch e.g. 3. The word »ORDER« will then light up until you touch PLAY. Then track 3 starts to play. If you do not touch PLAY within 12 seconds of touching the track number, the word »ORDER« will disappear and you have to touch the track number again. Otherwise playing continues as before.

3

ORDER

PLAY

Forward and backward search



If you want to find a specific spot on the compact disc, you can use >> or << to search through the tracks, forward or backwards. You can follow the searching process on the display. If the red digit display is set to show total playing time, you can stop searching and start playing as you reach the total playing time indicating the passage of music you want.

Just press PLAY to start playing.

Likewise, the display can be set to show track and index number. Then you can stop searching and start playing by touching PLAY as you reach the specific track and index you want.

»

«

PLAY

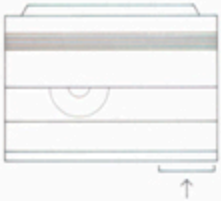
Searching at different speeds

Forward and backward search can be carried out with great precision while reading off the total playing time on the display. The search has three speeds:

1. Steps of 1 second on the red digit display.
2. Steps of 10 seconds if keeping your finger on [>>] or [<<].
3. Steps of 1 minute if keeping your finger on [>>] or [<<] for more than 10 seconds.

The final precision search is carried out using short touches on [>>] or [<<], and is registered in 1-second steps on the display.

Programming tracks



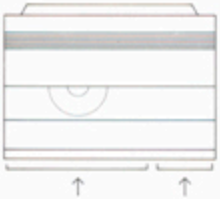
You can programme your own sequence of tracks if, say, you do not want to hear the compact disc from beginning to end. Programming can be carried out as soon as the Beogram has registered the tracks on the compact disc.

After inserting the compact disc, you can press the lid gently as if closing it manually. Then the lid closes automatically and the tracks are registered and indicated by the row of green numbers.
Note: Never push down on disc-tray.

Keeping your finger on [STOP] for at least 2 seconds also closes the lid and makes the Beogram register the tracks on the compact disc.

In both cases the tracks are registered, but playing is not started. Programming can now be carried out in either of the following two ways:

STOP



ORDER

STORE

2 3 5 6

PLAY

1.
You can select specific tracks by touching track number and then [STORE]. A programming sequence may look like this:

[2] → [STORE] → [3] → [STORE] → [5] → [STORE] → [6] → [STORE]

Remember to touch [STORE] within 12 seconds of touching the track number, i.e. while the word »ORDER« is illuminated.

The tracks you have selected will now light up on the green number display. Note: the tracks may be selected in any order you like, i.e. not necessarily in numerical order.

After programming your sequence of tracks, start playing by touching [PLAY].

2.
You can also skip tracks by touching the track numbers you do not want to hear and then [CLEAR]. A programming sequence may look like this:

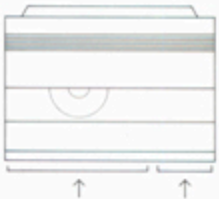
[1] → [CLEAR] → [4] → [CLEAR] → [6] → [CLEAR] → [7] → [CLEAR]

Remember to touch [CLEAR] within 12 seconds of touching the track number, i.e. while the word »ORDER« is illuminated.

The tracks you are going to hear will now light up on the green number display.

Note: two-digit track numbers, e.g. 12, can of course also be programmed. Just touch [1] [2] and then [STORE].

The tracks will be played in the order you have programmed them.

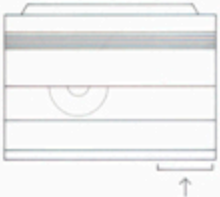


ORDER

CLEAR

2 3 5 8 9 . . . .

PLAY



How many tracks can I programme?

If you select tracks by touching STORE the programming capacity is 40 tracks. No compact disc is likely to contain as many as 40 tracks, but it means that the same track, or series of tracks, can be programmed several times, leaving you a total playing time that is much longer than you would normally expect of a compact disc.

STORE

Can I jump through a programme?

ADVANCE and RETURN can also be used while playing programmed tracks. In this case you just go to the next or the previous tracks in your programming in the order you have programmed the tracks.

ADVANCE

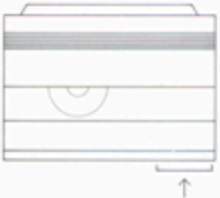
RETURN

How do I cancel a programming?

Just press CLEAR. All the green numbers indicating the total number of tracks on the compact disc will now light up, and playing will continue as before.

CLEAR

Pause during play



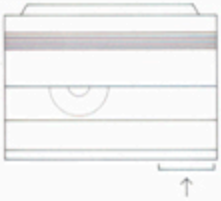
If you want to make a pause in the music, you just touch STOP. Programmings, if any, will be retained and playing is resumed from the same place when PLAY is touched.

If you keep your finger on STOP for more than two seconds, playing is stopped completely. When touching PLAY to resume playing, the compact disc will be played from the start.

STOP

PLAY

Repeating a compact disc



The Beogram CDX can play a compact disc up to four times in a row. Just touch REPEAT the number of times you want to hear the compact disc.

You can also play your programmings up to four times in a row. Again just touch REPEAT the number of times you want to hear the sequence of tracks you have programmed.

The tiny light indicator above REPEAT shows if the Beogram is going to repeat a compact disc.

Can I cancel the repeat function?

Yes, whenever you touch STOP, any requests for repetition will be cancelled, and playing will continue as before.

Switching off

Press EJECT. The top lid opens and you can remove the compact disc. Then press STOP for more than two seconds to close the lid, or just press the lid gently as if to close it manually, and finally switch off by pressing PLAY ●. The power supply is cut off and all displays disappear.

Cleaning the Beogram CDX

Use a dry cloth to wipe dust off the Beogram. Ajax window cleaner on a dry cloth will do to remove fingerprints and other grease stains on the sensi-touch panel.

Note: Never use denatured alcohol to clean any parts of the Beogram.

Handling compact discs

COMPACT disc DIGITAL AUDIO

Compact discs should be handled and stored with the same care as conventional records.

If the compact disc is always held by the edges and replaced in its original cassette after playing, no further cleaning will be required.

Should the compact disc become soiled by fingerprints, dust or dirt, it can be wiped with a clean and lint-free, soft, dry cloth. Always wipe the compact disc in a straight line from centre to edge. No solvent or abrasive cleaner should ever be used on the disc.

Connection to other Bang & Olufsen products

The Beogram CDX can be connected to any existing Beomaster or Beocenter with a TAPE or AUX input. However, in some cases you may have to use a special adaptor. If you are in doubt, we recommend you ask your Bang & Olufsen dealer what cable you need to connect your Beogram CDX to the Beomaster or Beocenter in question. If you know the exact name and possibly also the type number of the Beomaster or the Beocenter, your dealer can easily supply you with the information and cable/adaptor you need.

Playback with laser optics

The black and yellow label on the Beogram CDX serves as a warning that the apparatus functions by means of laser beams. Laser beams are harmful to the eyes. However, you will not be able to see the laser beams as the compact disc covers the laser optics completely. The laser beams can only be activated if there is a compact disc in the holder.

The apparatus must be opened by qualified technicians only.

CAUTION: Use of any controls, adjustment or procedures other than those specified herein may result in hazardous radiation exposure.

Technical specifications

Beogram CDX	
Type No.	5121-5122-5123-5125
Frequency range	3-20,000 Hz ±0.3 dB
Signal-to-noise ratio	> 96 dB
Dynamic range	> 96 dB
Harmonic distortion	0.003% at 0 dB
	0.03% at -20 dB
Channel separation	> 94 dB 20-20,000 Hz
Channel difference	< 0.5 dB
Converter system	14 bit, oversampling 176.4 kHz
Low pass filter	Digital + analogue
Damping > 20,000 Hz	> 50 dB
Output	2 V RMS at 0 dB
Power supply	Type no. 5121: 220 V
	Type no. 5122: 240 V
	Type no. 5123: 120 V
	Type no. 5125: 240 V
Power frequency	50-60 Hz
Power consumption	30 watts
Dimensions W x H x D	42 x 7.5 x 31 cm (16 1/2" x 3" x 12 2/8")
Weight	5.6 kg (12.4 lbs)

Subject to change without notice

This Beogram fulfils the conditions stated in the EEC directive 82/499 concerning radio frequency interference.

For the UK market only

IMPORTANT
The wires in the mains lead supplied with this apparatus are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead may not correspond with the coloured markings identifying the terminals in your unit, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Ensure that your equipment is connected correctly. If you are in any doubt, consult a qualified electrician.

International guarantee

This Bang & Olufsen product carries a guarantee against defects in workmanship and materials. It is a national guarantee, extended by Bang & Olufsen in the country in which the product was bought. The terms of the guarantee apply principally to the country of purchase but will be met by authorized Bang & Olufsen dealers in other countries.

In order to obtain service under this guarantee from a dealer in a country other than that in which the product was bought, the guarantee form must be completed in full and presented to the dealer.

BANG & OLUFSEN
DK-7600 STRUER
DENMARK

WARNING: To prevent fire or electric shock, do not expose this appliance to rain or moisture.

This symbol indicates that a dangerous voltage constituting a risk of electric shock is present within this unit.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.